

Appl. No. : 10/770,712  
Filed : February 3, 2004

### REMARKS

In response to the Notice to File Corrected Application Papers mailed on May 11, 2004, a sequence listing is being submitted herewith. Further, the specification has been amended to add the sequence identification numbers to each nucleic acid sequence or amino acid sequence. Paragraphs 68, 78, 122, and 136 have been amended to add sequence identification numbers.

Additionally, Figure 5 has been amended to add sequence identification numbers 1-3. The figure description of Figure 5 (Paragraph 15) has also been amended to list the sequence identification numbers. No new matter is being added by this amendment.

The Examiner also requested submission of replacement drawings for Figures 7-12. Accordingly, Figures 7-12 of publication-quality are submitted herewith.

### Conclusion

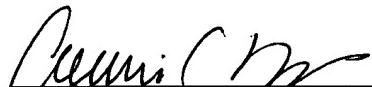
Should there be any questions concerning this application, the Examiner is invited to contact the undersigned at the telephone number appearing below.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: July 1, 2004

By:



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## Dipeptidyl Peptidase IV during Intestinal Differentiation

**SEQ ID NO:1** MEFPIRVLIGGIGGAAVLLVIVVWLLWGGDDADSDREKTYLTDYKLYLKLKLSRLHSDHEVLRXKOMNTLVVRAEYGSNSVTLNSSTDFR  
**SEQ ID NO:2** MEFPIRVLIGGIGGAAVLLVITLTVPVWLLK--DELAADSARRYTMLDVKNTTRVSKSLRNSDSEKKYKOKKWLFLKALHGNSSITLNSSTDFR  
**SEQ ID NO:3** MEFPIRVLIGGIGGAAVLLVITLTVPVWLLK--DELAADSARRYTMLDVKNTTRVSKSLRNSDSEKKYKOKKWLFLKALHGNSSITLNSSTDFR

	10	20	30	40	50	60	70	80	90	100
SINDY-SIAPDGOTILLEIHYKQHATTAQGDTDILKROLTHIRPANTONVTMSPGHCLAYVHNDIVKLPKPLXKRTTGDCKDITLNGC	110	120	130	140	150	160	170	180	190	200
SISDY-SVSPPDRIVLLEIHYKQHATTAQGDTDILKROLTHIRPANTONVTMSPGHCLAYVHNDIVKLPKPLXKRTTGDCKDITLNGC	210	220	230	240	250	260	270	280	290	300
DRYTEKETIIGAVALMSPEHETLXKDFDGYPLKTSDEBQPRVHNPKEAGAVPTVYKFTVNTDSLSSRTTINMORTAEGTDT	310	320	330	340	350	360	370	380	390	400
LCDDVNLATORISLMLRQKQXVADICDXDESSGRNCLVAVQHTEKTRTNGVGTGPSEPHFTDGNNSFKLISSEKZSCHTCRDKD---CIP	410	420	430	440	450	460	470	480	490	500
TKGAEVVISIBALTSDKLTIANERKPGGRNLKZKIQLDHTYKCLCGLPERCOKSVLSKAKYKQLGCHGPGLYLYERSTDREKZVTD	510	520	530	540	550	560	570	580	590	600
NSALDKKQVOMPSKCDPILMKTENQMLPBPDKSKKPLLDVYAGPCSGOKADIVTRLNATYLASTENITVASPDGSGSGQGDKIMHAIK	610	620	630	640	650	660	670	680	690	700
RIGTKEVVDQTEAROFSKIGTVDNKRIALNGSYGTVTMSVLSGSGGVFGCQIAVPAVSRNEXXESVTERMLGPTPDMNDHRSVMSRAEFT	710	720	730	740	750	760	770			
QWVLLIGEGLADDVNRFOOSAQSKALVPGVGDQAMRYTDEDGIASTAHQHITYHSHFLKOCSP										
QWVLLIGEGLADDVNRFOOSAQSKALVPGVGDQAMRYTDEDGIASTAHQHITYHSHFLKOCSP										

FIGURE 5

